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Claims

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Missile fire-control system and method

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Abstract

A surface-to-surface missile fire control system employing a pilot projectile fired into a predetermined indirect ballistic trajectory monitored by a fire-control station to determine its actual trajectory and actual coordinates of impact and wherein the pilot projectile has a camera for transmitting a target area picture to the fire-control station during its relatively steep descent. A pilot projectile laser directs a laser beam onto the target area surface to show the prospective impact point of the pilot projectile in a target area picture displayed at the fire-control station and a geographic position marking selector is manually operated to pick from the target area display and automatically enter into a fire-control computer the relative geographic coordinates of the projectile impact point and a selected target shown in the display, and the fire-control computer automatically calculates the coordinates of each selected target and aims a live projectile to the selected target in accordance with its calculated coordinates and the actual trajectory of the pilot projectile.

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